

Work Plan for Disinfection by Product Study in Flint MI: The Virginia Tech, University of South Carolina

Concerns have been raised about the presence of disinfection byproducts in water heaters of Flint. The general sampling proposed is considered legitimate. All results will be compared to a small database of water heater samples compiled by Dr. David

A four step work plan is proposed.

Step 1: A total of 4 samples were collected by the UMASS team, using they prepared and provided. Samples were shipped to the lab for analysis. All results will be selected, both hot and cold water. Three sites were in Flint and one Detroit hotel on Detroit water in Grand Blanc. Results are expected to be ready for Friday, May 16, 2016.

Step 2: After set of samples is proposed to be collected, these samples will be sent to USC and another set of samples will be Reckhow at UMASS. This will include:

- 1) 2 samples from Flint hot water heater via a bathroom after water run
- 2) 1 sample from Flint, one of the homes, of cold water
- 3) Repeat of a+b, for homes always on Detroit water, either Grand Blanc or

The total number of samples is 5. Detroit water sample of Flint on Detroit water.

Step 3: In addition, USC will collect samples from the factory, some perspective levels of DBPs in chlorinated surface water

These will include hot and cold water sample, from two different surface water systems in South Carolina.

Reporting: results will be written up and compared to data collected using similar cities. The key question is whether Flint has unusual levels of DBPs relative to Detroit water, or whether Flint has higher than other cities.

Schedule: Step 1 was completed on May 2 will be completed the morning of May 3 will be completed by 2016. The final report will be completed by September